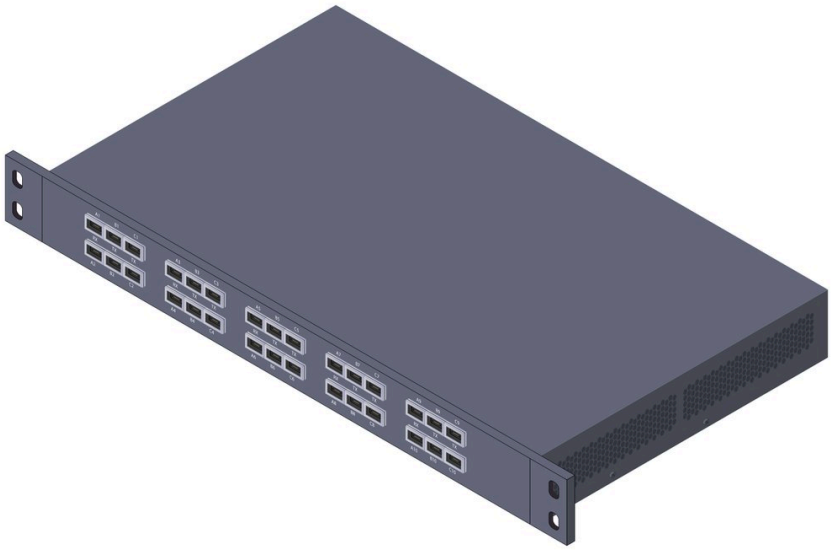
nex·gen

OTN SYSTEMS WDM PLATFORMS

40G/100G Multimode MPO Optical Splitter

The 40G/100G Multimode MPO Optical Splitter is a passive 1U network tap purpose-built for MPO interface links. It replicates each of up to 10 independent 40G/100G multimode MPO links onto a monitoring port at a fixed 50/50 split, so the live network link keeps passing straight through (network-in to network-out) while a full copy is delivered to a monitoring tool, with no power, no IP or MAC address, and no impact on live traffic.



HIGHLIGHTS

100% passive tap

No power supply, no IP address, no MAC address, nothing on the link can be hacked or fail electrically.

Low insertion loss

Taps traffic without affecting data packets on the live link.

10 independent taps in 1U

30 MPO/UPC ports (10 network-in, 10 network-out, 10 monitor) in a single rack unit.

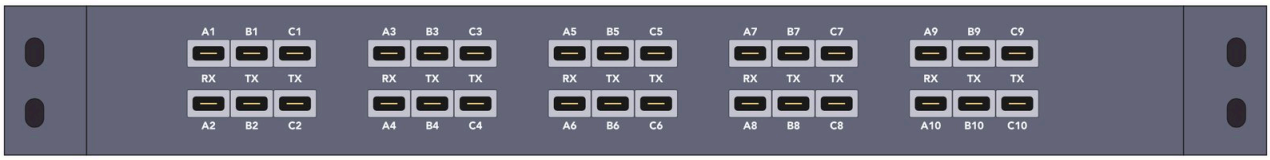
Simple, tool-free install

Installation and operation can be done independently by non-professionals.

FORMAT

1U

FRONT PANEL



SPECIFICATIONS

Optical	
Supported Link Rates	40G / 100G
Operating Wavelength	850nm
Spectral (Split) Ratio	50/50
Port Configuration	30 MPO ports total: 10× network-in, 10× network-out, 10× monitor (10-way 1:2 tap)
Main Link Insertion Loss	≤5.0dB
Replication (Monitor) Link Insertion Loss	≤5.0dB
Uniformity	≤0.8dB
Return Loss	≥55dB
Directionality	≥55dB
Polarisation Dependent Loss	≤0.15dB
Fibre Type	Multimode OM3
Optical Interface	MPO/UPC, 4-core (4-fibre)
Mechanical	
Device Size	1U rack, 440mm × 230mm × 44mm
Operating Temperature	−40°C–+85°C
Package Type	1U 19" rackmount

ORDERING INFORMATION

NAME	40G/100G Multimode MPO Optical Splitter
DESCRIPTION	40G/100G Multimode MPO Optical Splitter, passive 1U network tap for MPO interface links, 10 independent 1:2 (50/50) taps, 30 MPO/UPC ports (10 network-in, 10 network-out, 10 monitor), 40G/100G multimode OM3, 850nm. No power, no IP/MAC address, transparent to live traffic. Used for optical network monitoring without disrupting service.
PART NUMBER	**WDM-MPOS-1U**

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